What is claimed is:

1. A film scanner comprising:

a light source;

an illumination optical system configured to illuminate a film surface of a film with a light bundle emitted from the light source, after the light bundle is varied in accordance with a film size of the film; and

an image pickup optical system configured to make the light bundle transmitted through the film surface incident upon an image pickup element after the light bundle is varied in accordance with the size of an effective area of the image pickup element.

2. The film scanner according to claim 1, wherein said image pickup optical system includes a plurality of image pickup optical systems having different focal lengths, said plurality of image pickup optical systems configured to be selectively used.

3. The film scanner according to claim 2, further comprising:

an image pickup optical system selection mechanism configured to select a said image pickup optical system from said plurality of image pickup optical systems;

a power varying mechanism configured to vary the optical power of the illumination optical system; and

a single drive mechanism configured to drive the

image pickup optical system selection mechanism and the power varying mechanism.

4. The film scanner according to claim 1, wherein the light source includes an LED.